PATAT 2010
8th International Conference on the Practice and Theory of Automated Timetabling
Queen’s University Belfast, Northern Ireland, August 2010

This conference is the eighth in a series of conferences that serve as a forum for an international community of researchers, practitioners and vendors on all aspects of computer-aided timetable generation.

The themes of the conference include (but are not limited to):
- Educational Timetabling
- Transport Timetabling
- Employee Timetabling and Rostering
- Sports Timetabling
- Complexity Issues
- Distributed Timetabling Systems
- Experiences
- Implementations
- Commercial Packages
- Interactive vs Batch Timetabling
- Timetable Updating
- Standard Data Formats
- Relationship with Other Scheduling Problems
- Timetabling Research Areas, including:
  - Constraint-Based Methods
  - Evolutionary Computation
  - Artificial Intelligence
  - Mathematical Programming
  - Expert Systems
  - Heuristic Search
  - Knowledge Based Systems
  - Operational Research
  - Simulated Annealing
  - Local Search
  - Ant Colony Methods
  - Soft Computing
  - Tabu Search
  - Meta-Heuristics
  - Hyper-Heuristics
  - Very Large Neighborhood Search
  - Graph Colouring
  - Hybrid Methods
  - Multi-Criteria Decision Making
  - Fuzzy Reasoning

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